

In the Abstract:

ABSTRACT OF THE DISCLOSURE

~~ECHO PROCESSING DEVICES FOR SINGLE CHANNEL OR MULTICHANNEL
COMMUNICATIONS SYSTEMS~~

An echo processing device technique for attenuating echo components of a direct signal X_{1n} in a return signal Y_{2n} comprises: means for calculating a A receive gain G_{r_n} and a send gain G_{e_n} are calculated. ~~first gain application means for applying the~~ The receive gain G_{r_n} is applied to the direct signal and producing an input signal X_{2n} is produced and emitted into an echo generator system $[[;]]$ ~~and second gain application means for applying the~~ The send gain G_{e_n} is applied to an output signal Y_{1n} from the echo generator system and producing the return signal $Y_{2n}[[;]]$ is produced. said device further comprises means for calculating a A coupling variable COR is calculated which is characteristic of the acoustic coupling between the direct signal X_{1n} or the input signal X_{2n} and the output signal $Y_{1n}[[,]]$ ~~and said gain calculation means are adapted to calculate the~~ The receive gain G_{r_n} and the send gain G_{e_n} are calculated on the basis of the coupling variable. The invention also applies to multichannel systems.